

Sherwin-Williams Site Cleanup

Emeryville, California

Nov 18, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of November 14 and going through November 18, 2011. Following is a brief overview of site activities occurring during this period and a discussion of air monitoring results compared to site action levels. Charts and figures are attached which show running averages for Respirable Particulate Matter of 10 micrometers or less (RPM₁₀) running averages; Total Volatile Organic Compounds (TVOC) running averages; and wind speed and direction.

Site Activities

Site activities for the week included:

- Dust controls (water, Hydroseal and street sweeping) were applied to excavation, stockpiles and exclusion work areas;
- Backfill of drain rock in Breach #2 was completed on November 17 and backfill of drain rock in Breach #1 was completed on November 18. Crews were onsite during the weekend to monitor slurry levels and confirm trench stability.
- Operation of street sweeper onsite on paved areas; truck exit ramp, Halleck Truck route and on adjacent roads surrounding the site during periods of truck import and export;
- Removal of shoring piles was completed on November 14;
- Loading and export of 9 railcars of Category 2, RCRA hazardous waste for transport to occurred during the week of November 14 through 18;
- Backfilling and compaction into the excavation of 5,076 cubic yards of low permeable soil, in 6 to 12 inch lifts;
- Compaction testing was performed and met earthwork construction specification of minimum 95% of the maximum dry density of the backfill material above the water table and 90% maximum density below the water table.
- Imported 423 truckloads (~8,460 tons) of soil for placement of lower hydraulic conductivity (low K) backfill fill materials.
- Imported and stockpiled 30 truckloads (~630 tons) of drain rock for placement in slurry wall breaches;
- Analytical testing of stockpiled waste material occurred during the week for characterization of material for disposal;
- Analytical and geotechnical testing of imported fill material occurred during the week to confirm that backfill specifications are met;
- Excavation dewatering was performed from one remaining sump at elevation -11, located in the southwestern portion of the excavation area. Treated water from the dewatering system is discharged into the local POTW per the requirements of the Site's EBMUD discharge permit.



Air Monitoring and Sampling

- Daily calculation of perimeter air action levels was performed, based on background conditions and level of source material being excavated;
- Daily calibration of the seven perimeter AMS locations was performed November 14 through November 18, with one exception as noted below;
- Daily perimeter real time air monitoring at seven AMS locations for RPM10 and Total volatile organic compounds (TVOCs), except where described below;
- Daily meteorological data is collected on site and wind speed and direction is calculated in real time to determine upwind and downwind direction. A wind rose for the week is provided below.
- On November 16 the AMS computer was inadvertently disconnected from power at the end of the day. The AMS experienced communication and logging failure over the evening of the 16th to the morning of the 17th. All data was recovered from the monitoring stations and from the logging system on the weather station on November 17. Real time air quality monitoring was only minimally impaired because the shutdown occurred while no site activities were ongoing. Due to efforts involved in data retrieval air quality monitoring instruments were not calibrated on November 17, no adverse effect on quality of air monitoring data is anticipated due to lack of calibration. Air quality monitoring instruments were calibrated on November 18.
- No exceedances of air quality standards occurred during the week;
- Misters were not used along the Horton Street excavation during the week due to the presence of Condon Johnson personnel removing shoring. Additionally, no excavation of source material is occurring in the vicinity and therefore there is no need for dust and vapor controls. As such, no mister delta was incorporated into PM10 action levels.
- Running averages for TVOC and PM10 since the start of the project continue to be below their respective action levels at all AMSs. Charts for the running average for TVOCs and PM10 are provided below.

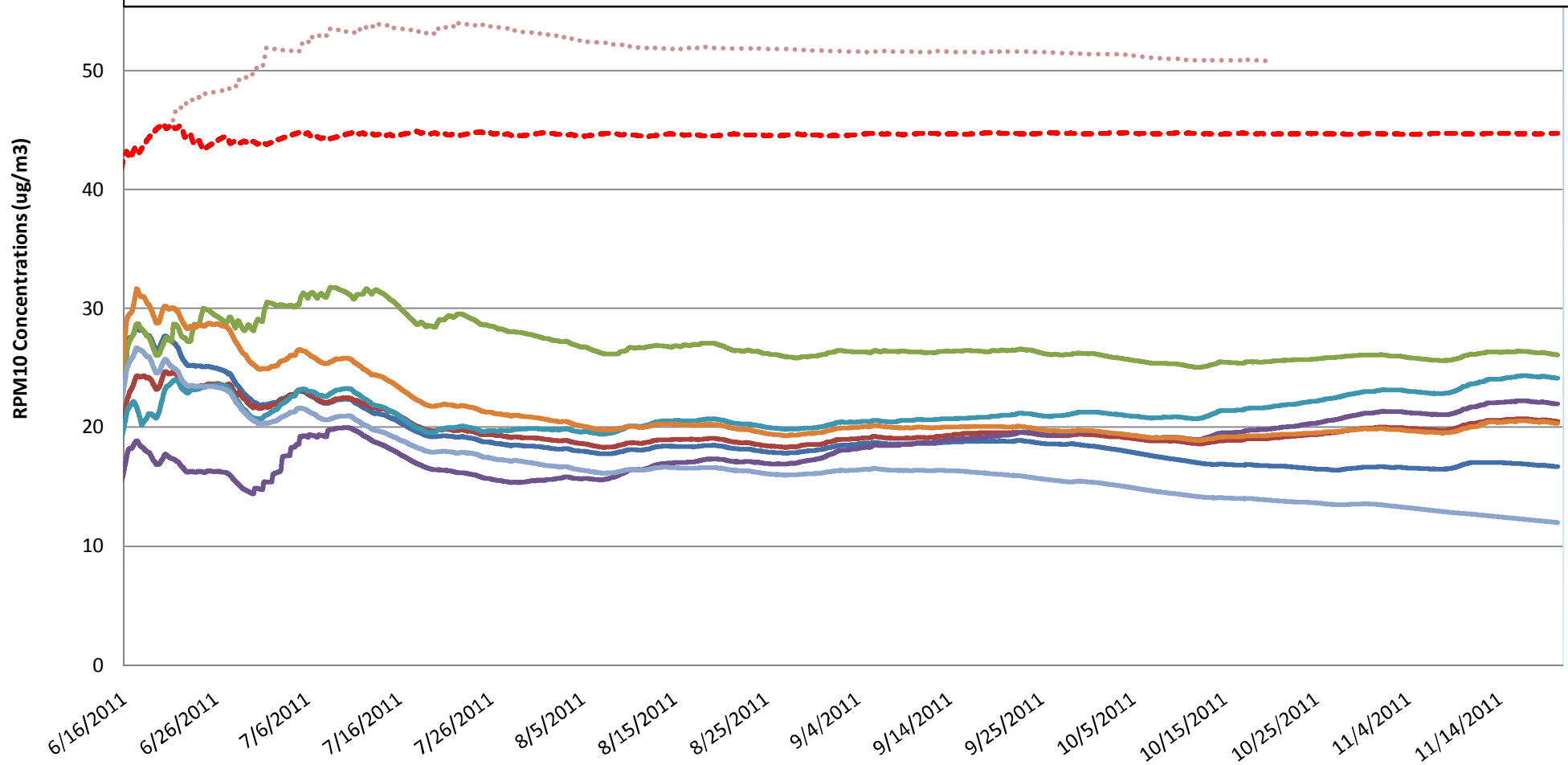
If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

Camp Dresser & McKee Inc.

RPM10 Running Average 06/16/2011 through 11/20/2011

- Station 1 (no misters) Station 2 (no misters) Station 3 (includes misters)
- Station 4 (no misters) Station 5 (no misters) Station 6 (no misters)
- Station 7 (no misters) Subchronic Action Level with misters Subchronic Action Level without misters

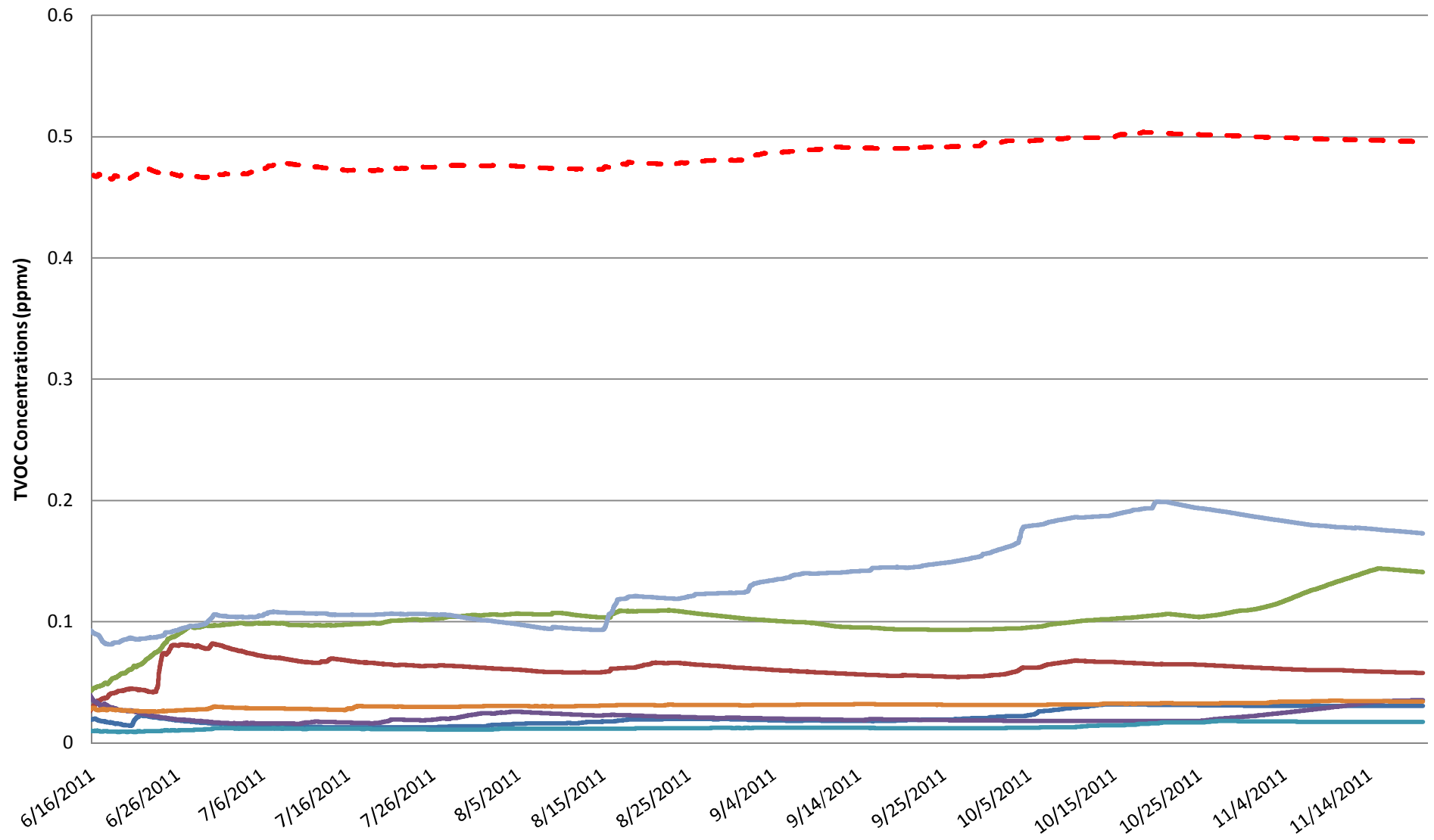
Note: 11/18/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone (17) Action level for non working hours & weekend=50 (BAAQMD Regulatory value)
Misters use ceased on 10/20/2011 and did not recommence. Mister delta is no longer taken into account for calculation of the Subchronic-Action Level from that point forward.



TVOC Running Average 06/16/2011 through 11/20/2011

Station 1 Station 2 Station 3 Station 4 Station 5 Station 6 Station 7 Subchronic Action Level

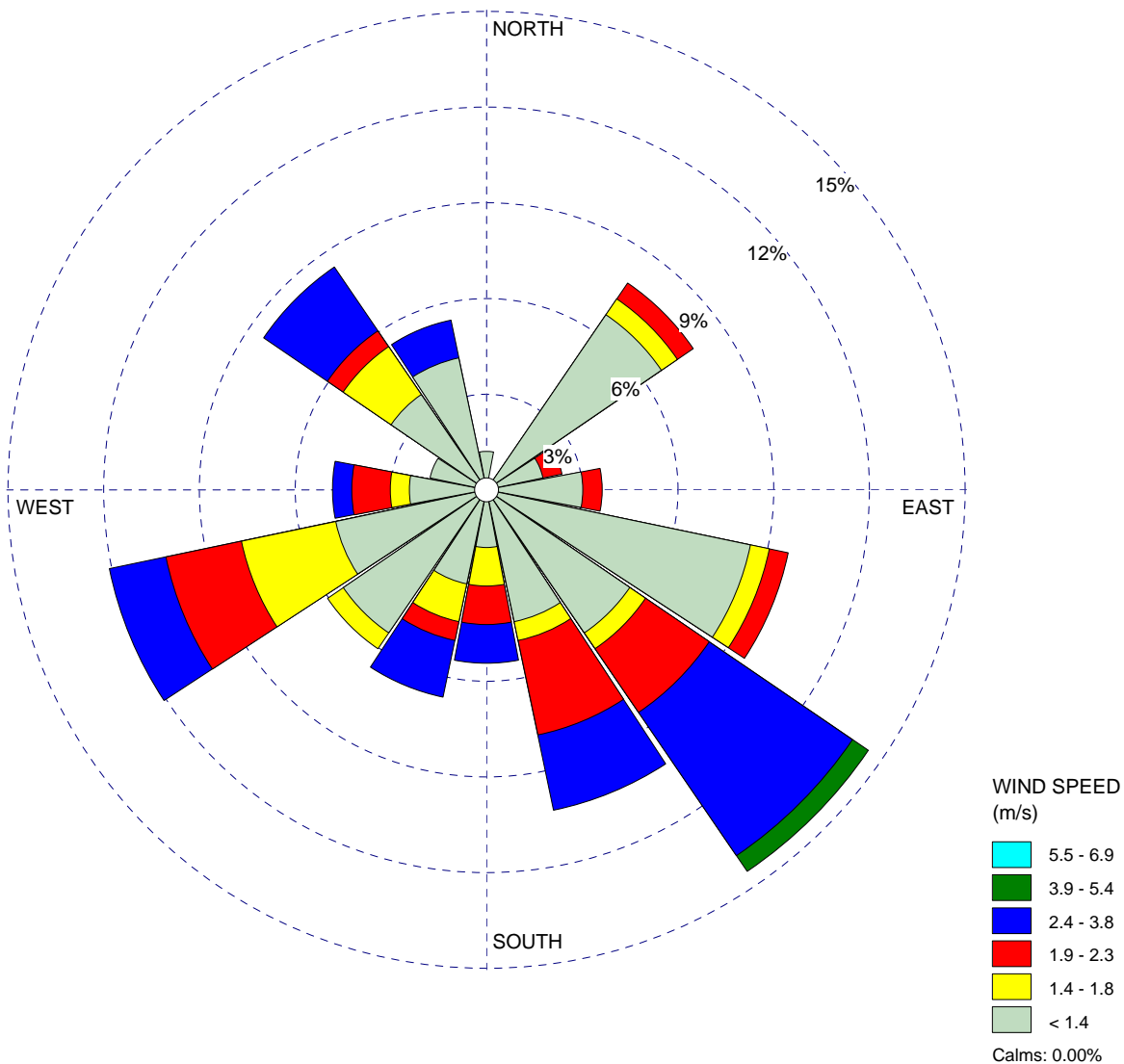
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)



WIND ROSE PLOT:

Station #SW

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:

DATA PERIOD:

Start Date: 11/14/2011 - 00:00
End Date: 11/20/2011 - 21:00

COMPANY NAME:

MODELER:

CALM WINDS:

0.00%

TOTAL COUNT:

166 hrs.

AVG. WIND SPEED:

1.36 m/s

DATE:

11/22/2011

PROJECT NO.: